

Basics of Minimally Invasive Surgery

(A Course for Junior Residents in Surgery, OB/GYN and Urology)

**Legacy Health System, Department of Minimally Invasive Surgery,
Portland, Oregon**

Friday, July 14, 2006

Course Objectives

1. Describe commonly used laparoscopic instruments
2. Discuss trouble shooting of video equipment and insufflators
3. Describe technique of safe peritoneal access and discuss physiology and complications of pneumoperitoneum
4. Discuss key technical issues essential for advanced laparoscopic procedures such as trocar positioning, laparoscopic tissue handling, abdominal exploration, control of hemorrhage and laparoscopic suturing and knot tying
5. Describe use of and complications related to commonly used energy sources during laparoscopic surgery
6. Explain technique of laparoscopic cholecystectomy
7. Apply laparoscopic surgical techniques practiced in a faculty-supervised hands-on laboratory session

Course Director

Dr. Peter Denk

Course Faculty

Dr. Lee L. Swanstrom

Dr. Paul D. Hansen

Dr. Prakash Gatta

Dr. Yash Khajanchee

Chris Walsh

Program Schedule

Date: Friday, July 14, 2006

Time: 7:30 am - 4:30 pm

**Venue: Holladay Park (Legacy Clinical Research and Technology Center,
1225 NE 2nd Ave., Portland, OR)**

0730 – 0800	Registration, Welcome & Breakfast
0800 – 0830	Introduction to Laparoscopic Instrumentation and Trouble Shooting Video Camera, Insufflators, and Light Source <i>Peter Denk, MD</i>
0830 – 0900	Physiology, and Complications of Pneumoperitoneum <i>Prakash Gatta, MD</i>
0900 – 0930	Safe Cholecystectomy <i>Paul D. Hansen, MD</i>
0930 - 0945	Break
0945 - 1015	Key Technical Issues Essential for Advanced Laparoscopic Surgery: Part 1 (Patient Positioning, Trocar Positioning, Laparoscopic Tissue Handling, Abdominal Exploration and Control of Hemorrhage) <i>Lee L. Swanstrom, MD</i>
0900 – 0930	Various Energy Sources - Cautery and Harmonic Scalpel <i>Chris Walsh/ or Yash Khajanchee, MD</i>
1045 - 1115	Key Technical Issues Essential for Advanced Laparoscopic Surgery: Part 2 (Suturing, Knot-Tying, Stapling, and Wound Closure) <i>Peter Denk, MD</i>
1115 – 1230	Lunch
1230 – 1600	Lab Station Rotations <ol style="list-style-type: none"> 1. Video-Tower set up, Trouble Shooting and Laparoscopic Instruments: (Scopes, Trocars, Graspers, etc) 2. Hands-On Station 3. Cautery and Harmonics 4. Rodeo-Video 5. Trocar Placement and Wound closure: 6. Suturing
1600 – 1630	Course Evaluation & Adjournment